TECHNICAL SCHEDULE VI

SEWAGE TREATMENT PLANT OPERATING DETAILS

(To be completed by the Tenderer)

Sl. No	Item	Unit	Description
Electrical Usage			
Total Energy Consumption of the Plant for a day and month (*)		kWh/ day	
		kWh/Month	
* The Tenderer shall substantiate Total Energy Consumption figure of the Plant by submission of Detailed Daily and Monthly Specific Energy Consumption Calculation The following factors / assumptions shall be considered by the Tenderer in arriving at the Monthly Energy Consumption figures. (i) The Sewage Treatment Plant is operated at average flow (i.e.,) 150 MLD for 24 hours in a day for the entire month. (ii) The Tenderer shall consider 24 hours operation for Continuous Service Equipments as listed in Section 7, Part 11-Particular Mechanical Requirements of the Bid document. (iii) The Energy Consumption calculation shall be derived without considering Energy Savings due to Introduction of VFD. (iv)The Tenderer shall consider appropriate efficiency factor in arriving at Working load of each equipment. (v) No. of days in month shall be based on 365 days / 12months			
Chemical Usage			
Chlorine:			
1.	Chlorine dosage at peak hydraulic (Peak hour) flow	mg/L	
2.	Average Chlorine Dose	mg/l	
Polymer:			
1.	Quantity of Sludge to be dewatered	Tons/day	
2.	Average dewatering polymer dose	kg/ton of dry solids	
Alum:			
1.	Average alum dose	mg/L	

Sewage Treatment Plant Operating Details – Quantities of Chemical Consumptions (will be considered for Financial Bid Evaluation)

Sl.No.	**Name of Chemical**	**Average Quantity (Tonnes/Year)**
1	Alum	
2	Chlorine	
3	Polyelectrolyte	
4	Chemical for Scrubbing System	
5	Any other Chemicals	